Ref. No. 3546-1

ONKYO SERVICE MANUAL

CASSETTE TAPE DECK
COMPACT DISC PLAYER
MODEL KCY-707

UD	120V AC, 60Hz
UM	220/230-240V AC, 50/60Hz

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PARTS NUMBERS APPEAR AS SHOWN IN THIS MANUAL.

MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

ONKYO®
AUDIO COMPONENTS

SPECIFICATIONS

CD Player Section	
CD changer type:	10 disc bank system
Signal readout system:	Optical non-contact
Reading rotation:	About 500-200 r.p.m. (constant linear velocity)
Linear velocity:	1.2-1.4 m/s
Error correction system:	Cross Interleave Reed Solomon code
D/A converter:	1 Bit D/A converter
Sampling frenquency:	176.4 KHz (four-times oversampling)
Number of channels:	2 (stereo)
Cassette Deck Section	
Deck mechanism type;	Double auto reverse
Track format:	4-track, 2-channels
Erasing system:	AC erase
Tape speed:	4.8 cm/sec 9.6 cm/sec (high-speed dubbing)
Wow and Flutter:	0.12 % (WRMS)
Motors:	DC servo motor x 2
Heads:	REC/PB: 1 PB: 1 ERASE: 1
General	
Power supply rating:	U.S.A. model: AC 120V, 60Hz Asian model: AC 220/230-240V,50/60Hz
Dimensions (W x H x D):	270 x 185 x 322mm 10-5/8" x 7-5/16" x 12-11/16"

Specifications and external appearance are subject to change without notice because of product improvements.

TABLE OF CONTENS

CAUTION ON REPLACEMENT OF OPTIONAL PICKUP

The laser diode in the optical pickup block is so sensitive to static électricity,surge current and etc, that the components are liable to be broken down or its reliability remarkably deteriorated.

During repair,carefulley take the following precautions. (The following precautions are included in the service parts.)

PRECAUTIONS

1.Ground for the work-desk.
   Place a conductive sheet such as a sheet of copper (with inpedance lower than 10MΩ) on the work-desk and place the set on the conductive sheet so that the chassis.

2.Grounding for the test equipment and tools.
   Test equipments and toolings should be grounded in order that their ground level is the same the ground of the power source.

3.Grounding for the human body.
   Be sure to put on a wrist-strap for grounding whose other end is grounded.
   Be particularly careful when the workers wear synthetic fiber clothes, or air is dry.

4.Select a soldering iron that permits no leakage and have the tip of the iron well-grounded.

5.Do not check the laser diode terminals with the probe of a circuit tester or oscilloscope.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs a laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMMISION, BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.

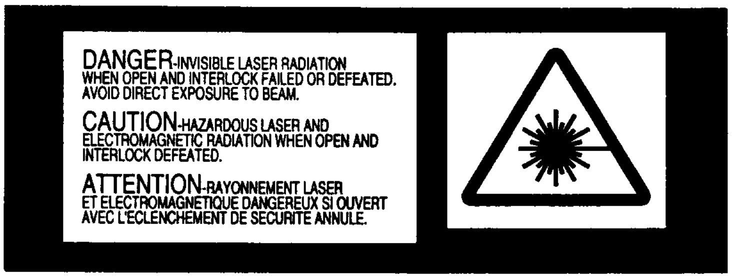
Laser Diode Properties

- Material: GaAS/GaAlAs
- Wavelength: 780nm
- Emission Duration: continuous
- Laser output: max. 0.5mW*
  *This output is the value measured at a distance about 1.8mm from the objective lens surface on the Optical Pick-up Block.

LASER WARNING LABELS

The label shown below are affixed.

1. **Warning lable**



2. **Class 1 label**

"CLASS 1 LASER PRODUCT"

LUOKAN 1
LASERLAITE

KLASS 1
LASER APPARAT

ADVARSEL

Denna maekning er anbragt på apparatets højre side og indikerer, at apparatet arbejder med laserstraler af klasse 1, hvilket betyder, at der anvendes laserstråler af svageste klasse, og at man ikke på apparatets yderside kan blive udsat for utilladelig kraftig stråling.

APPARATET BØ/R KUN ÅBNES AF FAGFOLK MED SE RLIGT KENDSKAB TIL APPARATER MED LASERSTRÅLERI

Indvendigt i apparatet er anbragt den her gengivne advarselsmérkning, som advarer imod at foretage sådnne indgreb i apparatet, at man kan komme til at udsaette sig for laserstråling.

VAROITUS! LAITTEEN KAYTTAMINEN MUULLA KUIN TASSA KAYTTOOHJEESSA MAINTULLA TAVALLA SAATTAA ALTISTAA KAYTTAJAN TURVALLISUUSLUOKAN 1 YLITTAVALLE NAKYMATTOMALLE LASERSATEILYLLE

ADJUSTMENT PROCEDURES FOR CASSETTE TAPE DECK

PRECAUTION

1. Before adjustment, clean the following parts with an alchol moistend swab.
   *record/playback head   *erase head
   *pinch roller   *capstan
2. Do not use magnetized screwdriver for adjustment.
3. Demagnetized record/plaiback head with a liead demagnetizer.

TEST EQUIPMENT / TOOL REQUIRED

Audio osscilator
Digiyal frequency counter
Oscilloscope
Attenuater
AC voltmeter
Non-magnetic screwdriver
Test tapes
TCC-153 : 10kHz, -10dB
MTT-111N : 3kHz, -10dB
MTT-150 : Dolby level calibration 400Hz, tone 200nWb/m

	Item	Connection of instrument	Line input	Test tape	Mode	Output indicator	Adjustment point	Adjust	Remarks
1	Tape speed	Frequency counter to TP1,2 output terminal		MTT-111N	PB	Frequency counter	Nomal Speed VR809,811	3,000 to 3030Hz	
							High Speed VR810,812	6,000 to 6060Hz	
2	Head azimuth	AC voltmeter and oscilloscope to TP1,2 output terminal		TCC-153	PB	AC voltmeter	Head azimuth screw	Maximum level & same phase at channels L and R	Fig.1
3	Plaback level	AC voltmeter to terminals TP1 (L) TP2 (R)		MTT-150	PB	AC voltmeter	A DECK VR803 (L ch) VR804 (R ch) B DECK VR806 (L ch) VR805 (R ch)	548mV (-3dBm)	
4	OSC Block	Frequency counter to erase head lead loose coupling		METAL TAPE	REC	Frequency counter	L803	85KHz	
5	Bias current	AC voltmeter to TP1,2 output terminal	1kHz & 12kHz	NORMAL TAPE	REC/PB	AC voltmeter	VR802 (L ch) VR801 (R ch)	Same level at REC/PB	Fig.2
6	Recording level	Fig.2	1kHz	NORMAL TAPE	REC	AC voltmeter	Attenutor or AF OSC output	245mV (-10dBm)	TP3 (L ch) TP4 (R ch)
					REC/PB	AC voltmeter	VR807 (L ch) VR808 (R ch)	Same level at REC/PB	TP1 (L ch) TP2 (R ch)

Blank tapes
NORMAL･･･UD-1 C-90
HIGH･･････XL-II C-90
METAL････XS C-90

PLAY torque･･････30～70g/cm
FF.REW torque････80～170g/cm
Back tension･･･････2～6g/cm

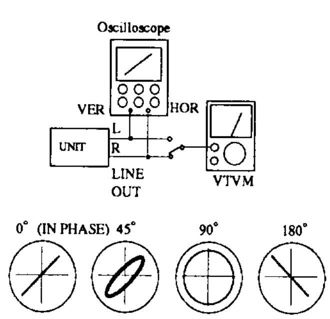


Fig.1 Confirming phase relationship

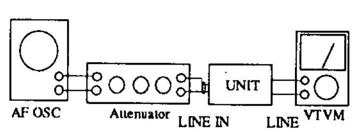


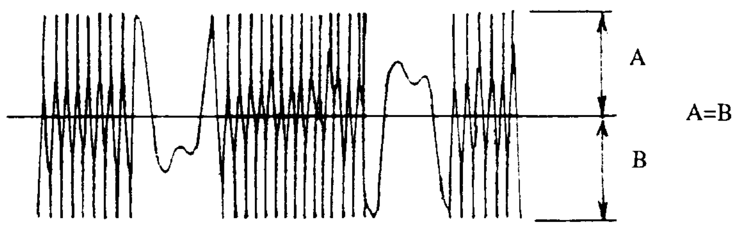
Fig. 2

ADJUSTMENT PROCEDURES FOR COMPACT DISC PLAYER

E-F BALANCE ADJUSTMENT

PROCEDURE:

1. Connect oscilloscope to the test points TE and Vref.
2. Press and hold down the SUPER DUBBING button,then press the POWER button.
3. Press FUNCTION CD button for 4 seconds or more. (CD section is TEST MODE.)
4. Put the disc (YEDS-18) in and press PLAY button.
5. Press the MEMORY button. (Tracking servo is OFF.)
6. Adjust VR701 so that the traverse waveform becomes symmetrical above and below.
7. Press the MEMORY button. (Tracking servo is ON.)
8. Press the STOP button.
9. Turn POWER switch off.

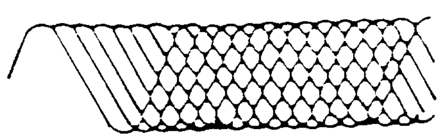


VOLT/DIV: 0.5V
TIME/DIV: 1mSEC

FOCUS BIAS ADJUSTMENT

PROCEDURE:

1. Connect osilloscope to test points RF anf GND.
2. Turn POWER switch on.
3. Put disc (YEDS-18) in and press PLAY button.
4. Adjust VR702 for an optimum waveform eye pattern or so that the peak is maximum. Optimum eye pattern means that shape "◇" can be clearly distinguished at the center of the waveform.

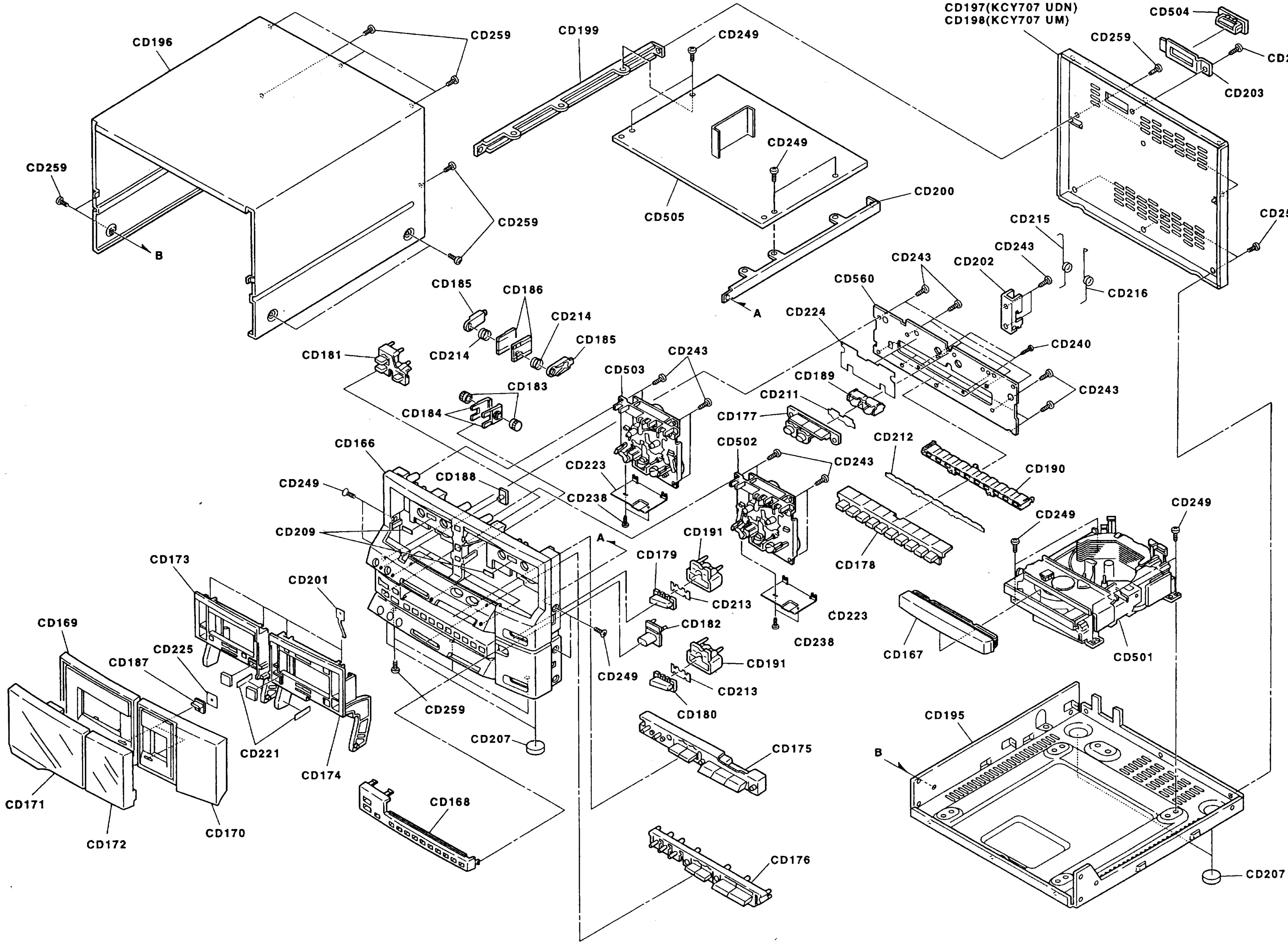


RF signal waveform

Remarks: When adjusting, set the oscilloscope AC rang and raise its vertical sensitivity so that the eye pattern can easily be seen.

MICROPROCESSOR TERMINAL DESCRIPTION

PIN NO.	SYMBOL	I/O	DESCRIPTION	PIN NO.	SYMBOL	I/O	DESCRIPTION
1	MB	O	Motor control for CD changer mechanism	41	SPXOE	O	Chip enable output to extended port IC
2	MC	O		42	NC	O	Not used
3	PRG	O	Plunger control for CD changer mechanism	43	CDCLK	O	Clock output to CD servo IC
4	CD-MUTE	O	Muting control for audio signal of CD	44	CDXLT	O	Data latch output to CD servo IC
5	CD-POWER	O	Power supply control for CD circuit	45	CDDATA	O	Data output to CD servo IC
6	AUSEL2	O	Output selector pin for CD or cassette signal	46	NC	I	Not used
7	AUSEL1	O		47	CDXRST	O	Reset input for CD section
8	TEST	I	Test mode setting input pin	48	S-CLK	I	Transfer clock signal input from main microprocessor
9	NC	O	Not used	49	S-IN	I	Transfer data signal input from main microprocessor
10	DOLBY	O	Dolby ON/OFF control	50	S-OUT	O	Transfer data signal output to main microprocessor
11	DUBBING	O	Dubbing setting signal	51	SQCLK	O	Data read clock ouput to CD DSP IC
12	L-MUTE	O	Muting control for audio signal of DECK	52	SQSI	I	Data input pin from CD DSP IC
13	HI-SPEED	O	Dubble speed dubbing control	53	NC	O	Not used
14	PB-SEL	O	Playback selector control for deck A/B	54	DISC-SEN	I	Detection input for size of CD
15	BIAS	O	Recording bias resonator control for cassette deck	55	TRV-DWN	I	Detection input for finish of down operation of traverse.
16	REC-MUTE	O	Recording muting control	56	TRV-UP	I	Detection input for finish of up operation of traverse.
17	REC/PB	O	Recording/playback control signal for deck B	57	TRY-CLS	I	Detection switch input for tray close
18	B-MTR	O	Motor speed control for deck B	58	NC	O	Not used
19	B-SOL	O	Solenoid coil control for deck B	59	NC	O	Not used
20	ERP-B	I	Prevention detection input for the side B of cassette tape	60	TRY-OPN	I	Detection switch input for tray open
21	ERP-A	I	Prevention detection input for the side A of cassette tape	61	LOAD-SEL	I	Detection sensor input for position of loading plate
22	B-PST	I	Detection input for cassette tape for deck B	62	S-RQO	O	Transfer request output to main microprocessor
23	B-END	I	Tape ending detection input for deck A	63	S-RQI	I	Transfer request input from main microprocessor
24	B-MODESW	I	Operation switch input for deck A	64	LOAD-SW	I	Position detection input for loading plate.
25	A-PST	I	Detection input for cassette tape for deck A	65	LEDS1	O	Scan signal output for operation indicator.
26	A-END	I	Tape finish detection input for deck A	66	LEDS2	O	
27	A-MODESW	I	Operation switch input for deck A	67	LEDS3	O	
28	A-SOL	O	Solenoid coil control for deck A	68	KEYIN0	I	Key matrix input
29	A-MTR	O	Motor speed control for deck A	69	KEYIN1	I	
30	RESET	I	Reset input for sub microprocessor	70	KEYIN2	I	
31	EXTAL	I	Resonator connection terminal for system clock	71	KEYIN3	I	
32	XTAL	-	Connect the 8.0MHz ceramic resonator.	72	Vdd	-	Power supply pin (+5V)
33	Vss	-	Ground pin	73	NC	-	Connect to +5v
34	NC	-	Not used	74	KEYIN4	I	Key matrix input
35	NC	I	Not used	75	KEYIN5	I	
36	AVss	-	Ground pin for A/D converter	76	KEYIN6	I	
37	AVref	-	Reference voltage pin for A/D converter	77	KEYIN7	I	
38	SPCLK	O	Clock output to extented port IC	78	CASE-POS	I	Sensor input for position of disc case
39	SPDATA	O	Data output to extended port IC	79	CASE-RST	I	Initialize position detection for disc case
40	SPLCK	O	Data latch output to extended port IC	80	MA	O	Motor control for CD changer mechanism



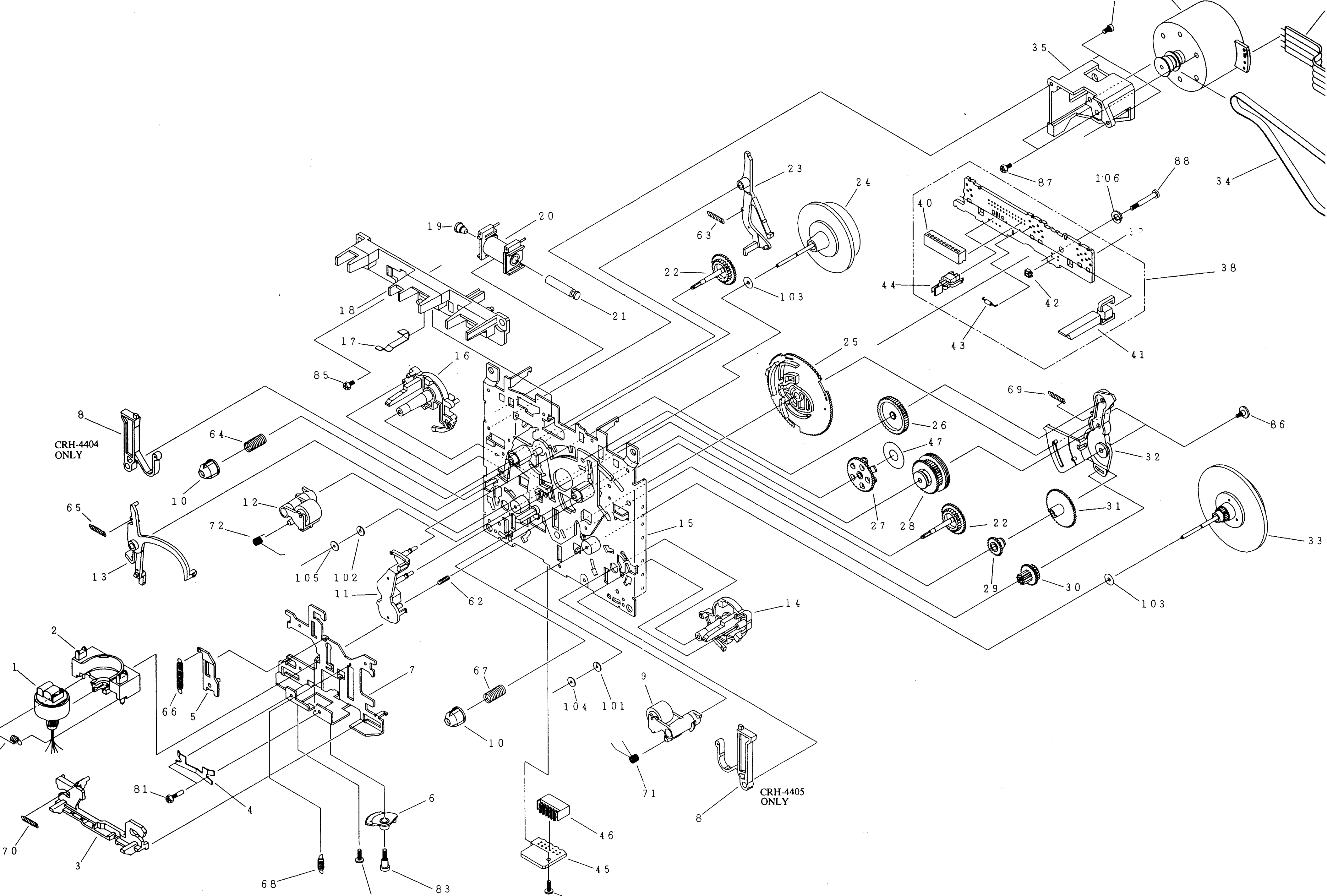
PARTS LIST

REF. NO.	PART NO.	DESCRIPTION
166	10-3467010101	FRONT PANEL (A)
167	10-3468010101	CD DOOR
168	10-3469010101	CD PANEL
169	10-3470010101	TAPE COVER (A)
170	10-3471010101	TAPE COVER (B)
171	10-3472010101	TAPE COVER WINDOW (A)
172	10-3473010101	TAPE COVER WINDOW (B)
173	10-3474010101	TAPE HOLDER (A)
174	10-3475010101	TAPE HOLDER (B)
175	10-3476010101	DECK BUTTON
176	10-3482010101	CD BUTTON
177	10-3477010101	REC BUTTON
178	10-3481010101	DISC BUTTON
179	10-3446010101	FUNCTION BUTTON
180	10-3446020101	FUNCTION BUTTON
181	10-3480010101	RANDOM BUTTON
182	10-3479010101	OPEN BUTTON
183	10-3483010101	DUMPER GEAR
184	10-3484010101	DUMPER CASE
185	10-3485010101	PUSH LOCK
186	10-3486010101	PUSH LOCK HOLDER
187	10-3487010101	LIGHT GUIDE (A)
188	10-3488010101	LIGHT GUIDE (B)
189	10-3490010101	LED BOX (A)
190	10-3491010101	LED BOX (B)
191	10-3492010101	LED BOX (C)
195	20-1127010101	BOTTOM COVER (A)
196	20-1126010101	TOP COVER (A)
197	20-1128010101	REAR COVER (A) <U>
198	20-1128020101	REAR COVER (A) <A>
199	20-1115010101	PCB BRACKET(A)
200	20-1116010101	PCB BRACKET(B)

REF. NO.	PART NO.	DESCRIPTION
202	20-1129010101	TAPE HOLDER BRACKET
203	20-1168010101	CABLE BRACKET
207	30-0756010101	FOOT RUBBER
209	46-0402-1	REFLECTION PAPER
211	10-3494010101	LED FILTER (A)
212	10-3495010101	LED FILTER (B)
213	10-3496010101	LED FILTER (C)
214	20-1136010101	PUSH LOCK SPRING
215	20-1133010101	TAPE HOLDER SPRING (A)
216	20-1134010101	TAPE HOLDER SPRING (B)
501	34-0022-1	TN-2300T-122,CD MECHANISM
502	31-0064-1	CRH-44-04(REC/PB),CASSETTE MECHANISM
503	31-0065-1	CRH-44-05(PB),CASSETTE MECHANISM
504	10-3510010101	FLAT CABLE BUSHING
LW601	12P15-0003	CFG1315-0101+FLAT,LEAD CONNECTOR ASS'Y
LW701	12-0157-1	AWM2896 BNCD-P1.25x18,FFC
LW702	CL019 06-35	6P WHT,LEAD CONNECTOR ASS'Y
LW703	CL019 08-25	8P RED,LEAD CONNECTOR ASS'Y
LW704	CL019 08-25	8P WHT,LEAD CONNECTOR ASS'Y
LW801	CL0412 6/7-18	6P-7P WHT,LEAD CONNECTOR ASS'Y
LW802	CL041 03-18	3P WHT,LEAD CONNECTOR ASS'Y

<U> : U.S.A. model only
<A> : Asian model only

ASSETTE DECK MECHANISM EXPLODED VIEW



CASSETTE DECK MECHANISM PARTS LIST

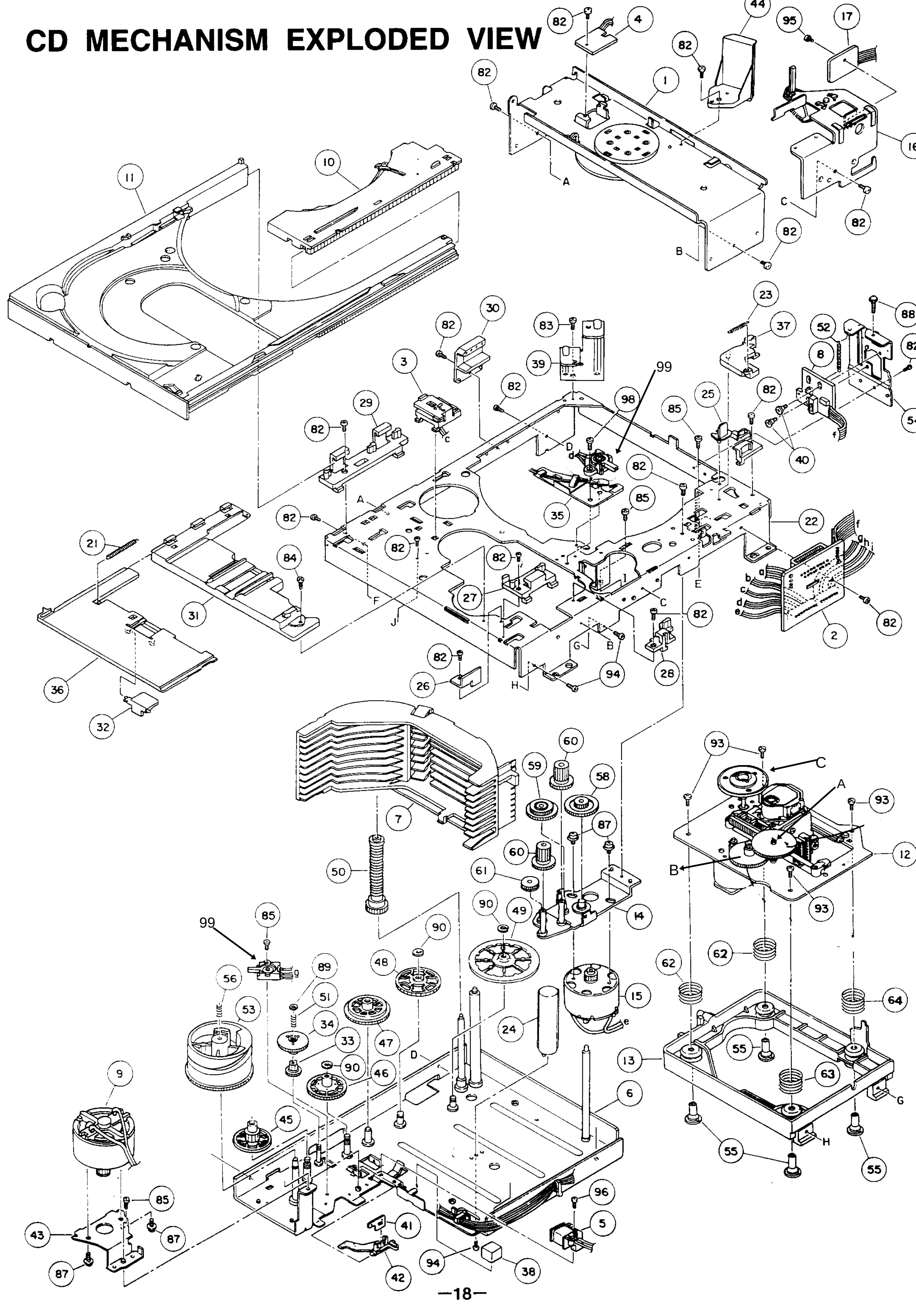
REF. NO.	PART NO.	DESCRIPTION
1	330934148	holder head ass'y <B>
	330934120	holder head ass'y <A>
2	332193023	frame head
3	332593015	lever head
4	161604032	spring azimuth
5	330934055	lever assist ass'y
6	222394020	gear arm head
7	33112303	chassis head B
8	332394024	eject lock
9	330934060	arm pinch R ass'y
10	182283231	cap reel
11	332393012	arm UD
12	330934059	arm pinch L ass'y
13	332393014	arm brake
14	332113019	frame B
15	330933056	chassis ass'y
16	332112020	frame C
17	331604031	spring cassette
18	332112021	frame D
19	033194259	K. plunger
20	330934051	coil ass'y
21	033004338	plunger
22	332224009	gear reel
23	3322683013	arm trigger
24	330934050	flywheel L ass'y
25	332212010	gear cam
26	332224008	gear idl
27	332224007	gear ref
28	330933045	clutch ass'y
29	332224002	gear P
30	332224001	gear A
31	33222403	gear fr
32	332393011	arm fr
33	330934048	flywheel R ass'y
34	020844124	belt
35	332193025	bracket MM
36	330934104	motor ass'y
37	160724055	wire
38	330933100	P.C.B. ass'y <B>
	330933145	P.C.B. ass'y <A>
39	330703035	P.C.B.
40	HBRK11R-2	housing <B>
	HBRK9R-2	housing <A>
41	LSA1135 or MTS10041MVLO	switch (leaf)
42	SG105 BC	photo sensor
43	ERDS2TJ681	resistor
44	MSW1722NCV	mode switch
45	3307040615	P.C.B. head
46	S6BEH	housing <B>
	S3BEH	housing <A>
47	330004140	reflector
61	10804535	spring
62	10814483	spring
63	10804480	spring
64	10814493	spring
65	10804482	spring
66	10804489	spring
67	10814492	spring
68	10804478	spring
69	10804543	spring
70	10804479	spring
71	10824485	spring
72	10824486	spring
81	33004056	screw
82	GSL20A2008	screw
83	33004043	screw
84	GSE10A2004	screw
85	GSD20A2005	screw
86	33004344	screw
87	GSP11A2605	screw
88	33004368	screw
101	GWN13X050040S	washer
102	GWN13X060040S	washer
103	GWP18X060050	washer
104	GWN16X40050	washer
105	GWN15S040050	washer
106	GWS30N	washer

CASSETTE DECK MECHANISM

<A> : DECK-A(CRH-4405) ONLY

<B> : DECK-B(CRH-4404) ONLY

CD MECHANISM EXPLODED VIEW



CD MECHANISM PARTS LIST

REF. NO.	PART NO.	DESCRIPTION
1	300701316	clumper bracket ass'y
2	300701306	connector PCB ass'y
3	300701309	disc sensor PCB A ass'y
4	300701311	disc sensor PCB B ass'y
5	300702317	coil ass'y
6	300702512	gear chassis ass'y
7	300702318	disc case ass'y
8	300702319	E sensor PCB ass'y
9	300702302	E motor ass'y
10	300706316	loading plate ass'y
11	300706317	disc base ass'y
**12	69020301	traverse KSM-2102BAM
13	300707317	T.T. base holder ass'y
14	300711501	L gear bracket ass'y
15	300711301	L motor ass'y
16	300711306	guide plate aasy
17	300711304	L sensor PCB ass'y
21	30070187	cover plate spring(N)
22	30070185	chassis(N)
23	30070144	lock lever spring
24	30070179	disc stopper D
25	30070186	guide R4
26	30070149	disc base bracket
27	30070150	guide R1(S)
28	30070151	guide R2(S)
29	30070153	guide L1(S)
30	30070106	guide L2
31	30070155	cover plate B(S)
32	30070156	disc stopper(S)
33	300702111	E gear G2(P)A
34	30070256	E gear G2(S)B
35	30070184	switch base
36	30070162	cover plate A(S)
37	30070163	locker lever(S)
38	300702116	cushion rubber(P10)
39	30070298	worm gear bracket(P10)
40	19001204	coller screw
41	30070296	E control plate(P)
42	30070292	E control lever(P)
43	300702100	E cmotor bracket(P10)
44	30070175	guide stopper(P10)
45	30070277	E gear G3(N)
46	300702122	gear G5(TN)
47	30070279	gear G6(N)
48	300702113	gear G7(P10)
49	30070293	gear G8(P10)
50	300702112	E gear G9(P10)
51	30070232	E gear G2 spring
52	300702119	E sensor spring T
53	30070259	E gear G4(S)
54	30070297	E sensor bracket(P10)

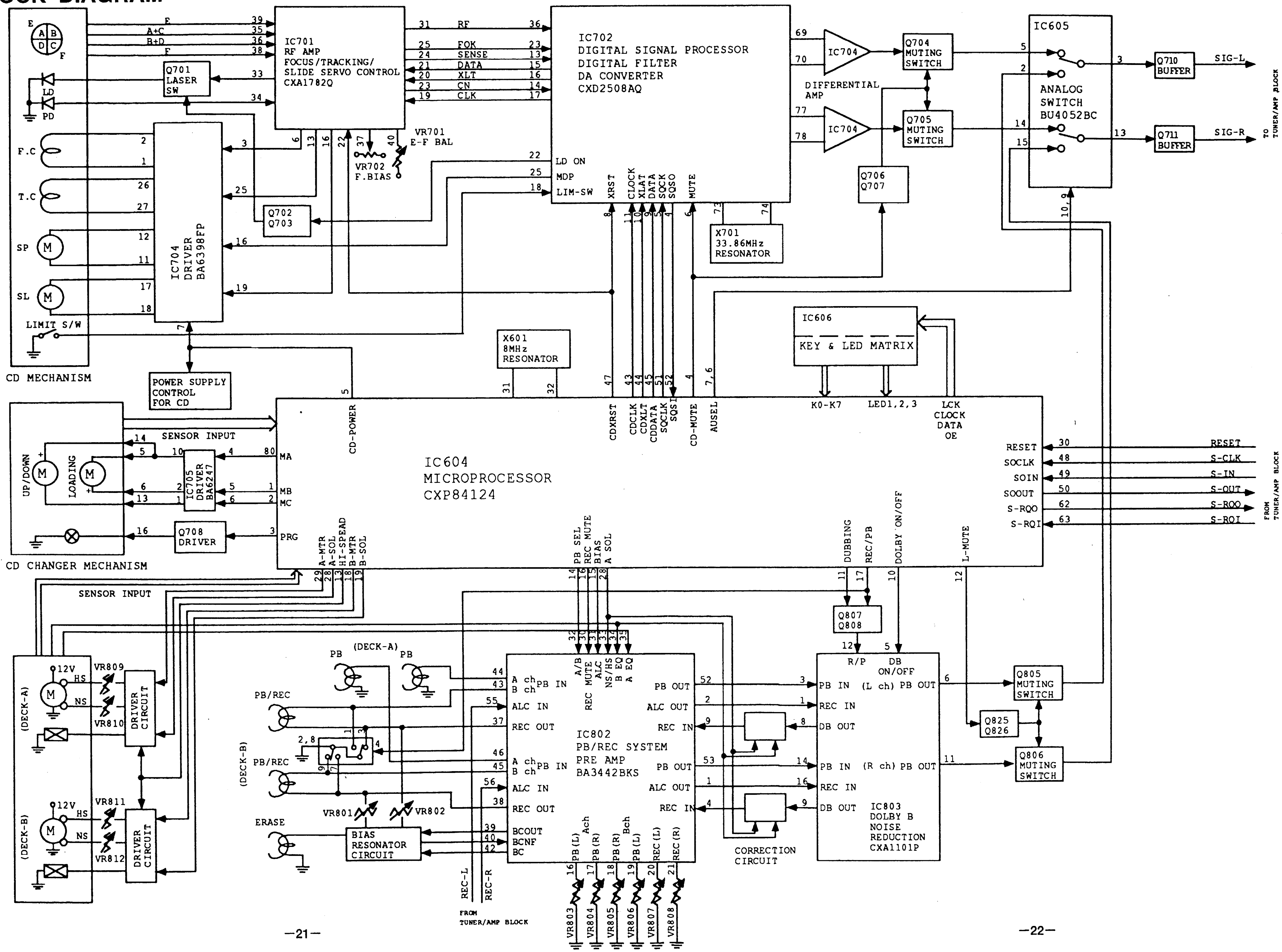
REF. NO.	PART NO.	DESCRIPTION
55	30070713	float rubber holder
56	30070283	E gear G4 spring
58	300701125	L gear B(N)
59	300701126	L gear C(N)
60	30071105	L gear D
61	30071106	L gear E
62	30070766	floating spring NB
63	30070768	floating spring ND
64	30070767	floating spring NC
82	9P0420041	tapping screw M2x4
83	9B1320041	C tapping bind screw M2x4
84	9P0420061	tapping screw M2x6
85	PC2020301	tapping screw SG M2x3
87	9P03026221	cup screw M2.6x2.2
88	9P1720102	cup screw (+-)M2x10
89	9PW0250080	PW cut 1.85x5x0.5
90	9PW0250110	PW cut 2.6x6x0.5
93	9B1220041	P tapping bind screw M2x4
94	9P0720061	P tapping screw M2x6
95	9C0320353	camera screw M2x3.5
96	9P0420101	tapping screw M2x10
98	9P0420051	tapping screw M2.6x5
99	25065375	Switch
A	24506903	Wheel A
B	24506904	Wheel B
C	24502258-1	Spindle Motor
12	8-848-137-11	Traverse Assembly (Alternate PN#)

PRINTED CIRCUIT BOARD PART LIST

CIRCUIT NO.	PART NO.	DESCRIPTION
MAIN CIRCUIT PC BOARD		
	IC	
IC602	222780053 or 1-0185-1	NJM78L05
IC603	222780091 or 1-0138-1	NJM78M09
IC604	1-0311-1	CXP84124-136Q
IC605	22240328 or 1-0207-1	BU4052BC
IC701	1-0302-1	CXA1782BQ
IC702	1-0303-1	CXD2508AQ
IC703	222652 or 1-0281-1	M5218L
IC704	1-0304-1	BA6398FP
IC705	1-0306-1	BA6247
IC801	22240147 or 1-0309-1	μPC1330HA
IC802	1-0307-1	BA3442BKS
IC803	22240086 or 1-0308-1	CXA1101P
	TRANSISTOR	
Q601,603,607	2202705 or 2-2SD2394E-7	2SD2394E
Q602,604,606,608, Q704,705,709,804, Q805,806,807,815, Q820,823,824	2213284 or 2-2SC1740S-S7	2SC1740SR
Q605	2213355 or 2-2SA933S-S7	2SA933AS
Q609,610,611	2-2SB1333-7	2SB1333
Q613-617,703,707, Q801,802,808,809, Q812,817	2213160 or 2-DTC124ES-7	DTC124ES
Q701,810	2-2SA1585SQ-7	2SA1585SQ
Q702,706,803,825	2212600 or 2-DTA124ES-7	DTA124ES
Q708,814,819	2-2SB1374Q-7	2SB1374Q
Q811	2-2SD2172-7	2SD2172
Q813,816,818,821	2-2SC1741S-7	2SC1741S
	FET	
Q710,711	2212195	2SK241GR
	ZENER DIODE	
D605	3-Z-MTZJ10B-8	MTZJ10B
D606	3-Z-MTZJ5.6B8	MTZJ5.6B
D607	3-Z-MTZJ13B-8	MTZJ13B
D609,610,611	3-Z-MTZJ8.2B8	MTZJ8.2B
	DIODE	
D608	3-RB100A	RB100A
D612	223839	1N4002
	CERAMIC RESONATOR	
X601	29-0069-1	CST8MTW
X701	29-0085-1	CSA33.86MXZ040
	COIL	
L801,802	6-0310-1	10RB type,39mH
L803	CHNS-6010	10PA type
	MICRO INDUCTOR	
L601,701	26-0012-2	LAL03,10μH
L602	26-0056-1	LAL03,100μH

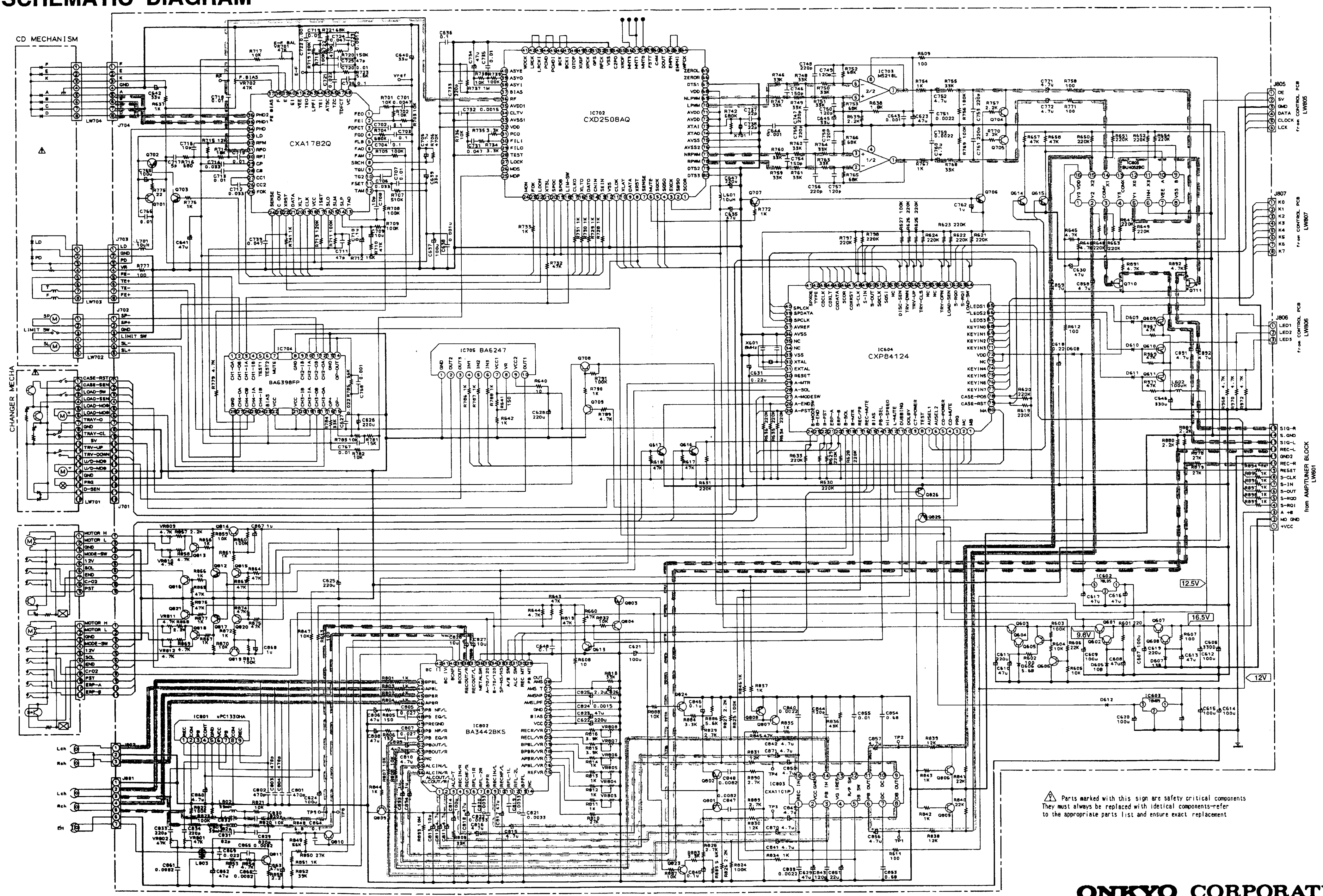
CIRCUIT NO.	PART NO.	DESCRIPTION
	CAPACITOR	
C605	354753329	25V3300μF
C618	3000079	5.5V0.22F
	TRIMER RESISTOR	
VR701,702,801,802	5210068	47KΩ
VR803-806	5210064	10KΩ
VR807,808	5210066	22KΩ
VR809,811-812	5210062	4.7KΩ
	SOCKET	
J701	12-0151-1	CFF1118-0101 or HLEM18S-1
J702	12S6-J0001	B6B-PH
J703,704	12S8-J0001	B8B-PH
J801	12S7-J0001	B7B-EH
J802	12S3-J0001	B3B-EH
J805	12S6-C0002	52147-0610
J806	12S3-C0002	52147-0310
J807	12S8-C0002	52147-0810
	FLAT CABLE	
LW803	12-0177-1	UL2651#26×9
LW804	12-0178-1	UL2651#26×11
LW808	12-0171-1	UL2651#26×6
	OTHERS	
E600	20-1132010101	HEAT SINK(C)
CONTROL CIRCUIT PC BOARD		
	IC	
IC606	1-0319-1	BU2092F
	DIODE	
D614,615,616,617	223163 or 3-1SS133-1	1SS133
	LED	
LED601,602	28-0063-1	SLR332MG
LED603,604,607,608, LED611-613,615,617, LED619,621,623,625, LED627,629,631,633, LED634	28-0057-1	SLV-312VC
LED605,606	28-0062-1	SLR332VR
LED609,610,614,616, LED618,620,622,624, LED626,628,630,632, LED635,636	28-0058-1	SLV-312MC
	TACT SWITCH	
SW601-611,614-632	8-0263-2	SKHHAM
SW612,613	8-0269-1	SKHHAR
	FLAT CABLE	
LW805	12-0174-1	UL2651#26×6
LW806	12-0163-1	UL2651#26×3
LW807	12-0176-1	UL2651#26×8

OCK DIAGRAM


CD MECHANISM
CD CHANGER MECHANISM
IC701 RF AMP FOCUS/TRACKING/ SLIDE SERVO CONTROL CXA1782Q
IC702 DIGITAL SIGNAL PROCESSOR DIGITAL FILTER DA CONVERTER CXD2508AQ
IC704 DRIVER BA6398FP
IC704
DIFFERENTIAL AMP
Q701 LASER SW
Q702 Q703
VR701 E-F BAL
VR702 F.BIAS
X701 33.86MHz RESONATOR
Q704 MUTING SWITCH
Q705 MUTING SWITCH
Q706 Q707
IC605 ANALOG SWITCH BU4052BC
Q710 BUFFER
Q711 BUFFER
SIG-L
SIG-R
TO TUNER/AMP BLOCK
POWER SUPPLY CONTROL FOR CD
X601 8MHz RESONATOR
IC606 KEY & LED MATRIX
IC604 MICROPROCESSOR CXP84124
RESET
S-CLK
S-IN
S-OUT
S-RQO
S-RQI
FROM TUNER/AMP BLOCK
SENSOR INPUT
UP/DOWN
LOADING
IC705 DRIVER BA6247
Q708 DRIVER
LIMIT S/W
IC802 PB/REC SYSTEM PRE AMP BA3442BKS
IC803 DOLBY B NOISE REDUCTION CXA1101P
Q807 Q808
Q805 MUTING SWITCH
Q806 MUTING SWITCH
Q825 Q826
CORRECTION CIRCUIT
BIAS RESONATOR CIRCUIT
VR801
VR802
DRIVER CIRCUIT
(DECK-A)
(DECK-B)
PB
PB/REC
ERASE
REC-L
REC-R
FROM TUNER/AMP BLOCK

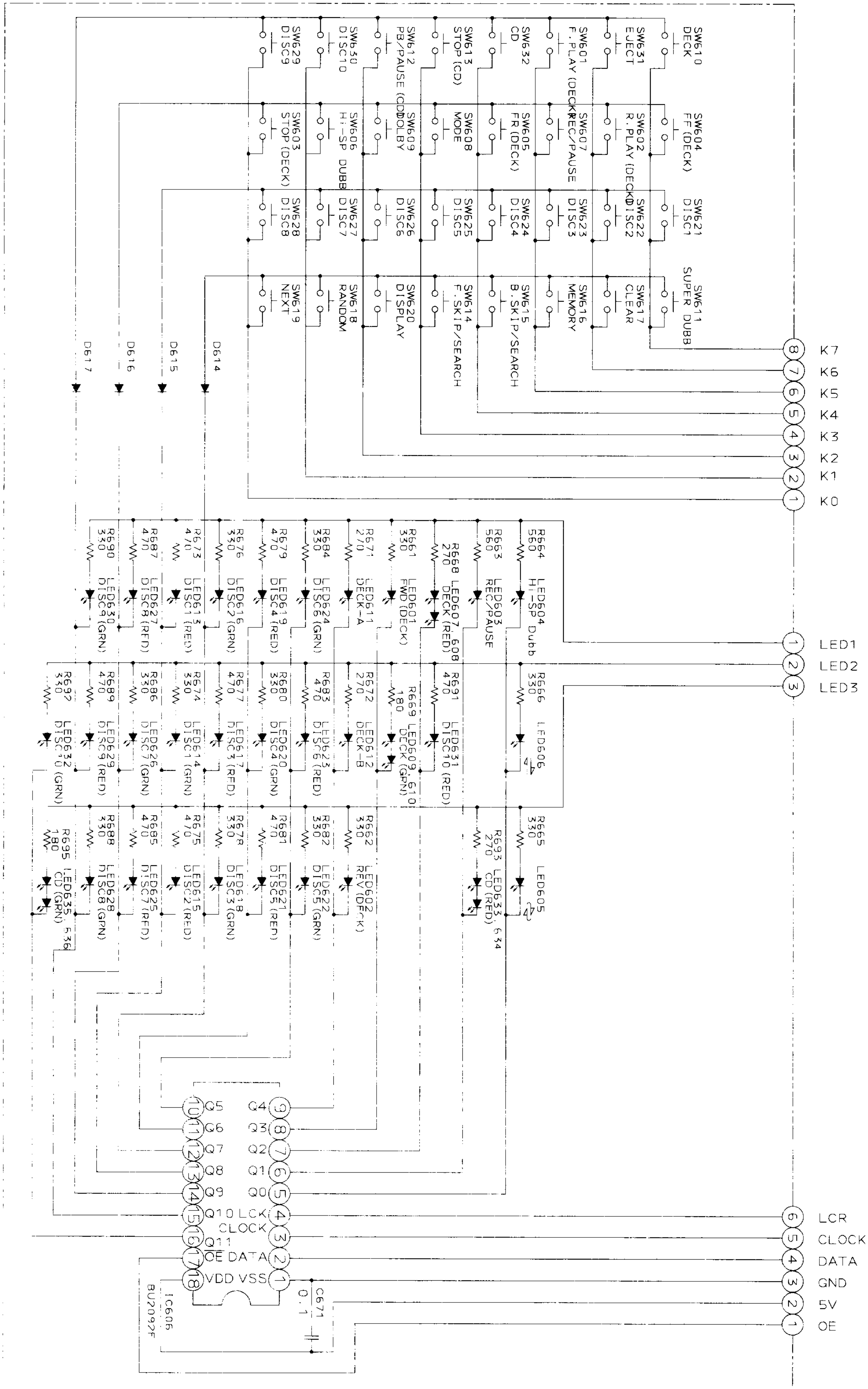
A | B | C | D | E | F | G

SCHEMATIC DIAGRAM



⚠ Parts marked with this sign are safety critical components
They must always be replaced with identical components-refer
to the appropriate parts list and ensure exact replacement

ONKYO CORPORATI


K7
K6
K5
K4
K3
K2
K1
K0
LED1
LED2
LED3
LCR
CLOCK
DATA
GND
5V
OE
Q5
Q4
Q6
Q3
Q7
Q2
Q8
Q1
Q9
Q0
Q10 LCK
CLOCK
Q11
OE DATA
VDD VSS